

IN THE CLAIMS:

In compliance with 37 C.F.R. § 1.121, a complete listing of claims is presented below. This listing of claims will replace all previously presented listings of claims.

1. (Currently amended) A polymeric electroluminescent device comprising:
an emitting layer, which includes at least metal nanoparticles and a luminescent polymer, wherein the metal nanoparticles have a size of 1 to 100 nm and are mixed with the luminescent polymer at a volume fraction of 1×10^{-9} to 0.1;
a cathode layer disposed on one side of the emitting layer; and
an anode layer disposed on the other side of the emitting layer;
wherein the metal nanoparticles are in resonance with triplet excitons of the luminescent polymer to absorb an energy of the triplet excitons.
2. (Original) The polymeric electroluminescent device of claim 1, wherein upon application of a bias voltage across the anode and cathode layers, holes and electrons are injected respectively from the anode and cathode layers to the emitting layer.
3. (Currently amended) The polymeric electroluminescent device of claim 1, wherein the metal nanoparticle is ~~one~~ selected from a the group consisting of Au, Ag, Pt, Ni, Fe, Co and Ge.
4. (Original) The polymeric electroluminescent device of claim 1, wherein the luminescent polymer generates light with a wavelength between 400 and 800 nm.
5. (Currently amended) The polymeric electroluminescent device of claim 1, wherein the luminescent polymer is ~~one~~ selected from a the group consisting of poly(dihexylfluorene), poly(phenylenevinylene) and poly(dioctylfluorene).
6. (Canceled)
7. (Currently amended) The polymeric electroluminescent device of claim ~~6~~ 1,

wherein the metal nanoparticles are gold nanoparticles and the luminescent polymer is poly(dioctylfluorene).

8. (Original) The polymeric electroluminescent device of claim 7, wherein the gold nanoparticles are 5 to 10 nm in size.

9. (Currently amended) The polymeric electroluminescent device of claim 1, wherein ~~the emitting layer includes~~ the metal nanoparticles, ~~which are formed by coating the surface of inorganic particles or polymeric particles with a metal, and a luminescent polymer, at a volume fraction of 1×10^{-9} to 0.1.~~